

# **Service Manual**

## **ViewSonic VE700-1 VA720-2**

**Model No. VLCDS23724-1W  
VLCDS23724-2W**

***17" Color TFT LCD Display***

(VE700-1\_SM\_545 - Rev. 1a – May 2002)

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## **Revision History**

Revision	Date	Description Of Changes	Approval
1a	7/17/02	Initial Reversion DCN-2254	K.Yang

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## 1. PRECAUTIONS AND NOTICES

Prior to using this manual, please ensure that you have carefully followed all the procedures outlined in the user manual for this product.

- Read all of these instructions.
- Save these instructions for later use.
- Follow all warnings and instructions marked on the product.
- Do not use this product near water.
- This display should be installed on a solid horizontal base.
- When cleaning, use only a neutral detergent cleaner with a soft damp cloth. Do not spray with liquid or aerosol cleaners.
- Do not expose this display to direct sunlight or heat. Hot air may cause damage to the cabinet and other parts.
- Adequate ventilation must be maintained to ensure reliable and continued operation and to protect the display from overheating. Do not block ventilation slots and openings with objects or install the display in a place where ventilation may be hindered.
- Do not install this display near a motor or transformer where strong magnetism is generated. Images on the display will become distorted and the color irregular.
- Do not allow metal pieces or objects of any kind fall into the display from ventilation holes.

Slots and openings in the cabinet and the back or bottom are provided for ventilation, to ensure reliable operation of the product and to protect it from overheating, those openings must not be blocked or covered. The openings should never be blocked by placing the product on a bed, sofa, rug, or other similar surface. This product should never be placed near or over a radiator or heat register. This product should not be placed in a built-in installation unless proper ventilation is provided.

## 2. SPECIFICATIONS

<b>LCD panel type</b>	17.0" TFT(AU)
<b>Power Consumption</b>	40 W
<b>Displayable Resolution</b>	SXGA 1280 x 1024 maximum
<b>Pixel dimension</b>	0.264 mm x 0.264 mm
<b>Display Color</b>	16.7 M
<b>Viewing Angle (CR=10)</b>	Horizontal: $\pm 75^{\circ}$ Vertical: $\pm 70^{\circ}$
<b>RESPONSE TIME</b>	40 ms typ.
<b>Contrast Ratio</b>	400:1 typ.
<b>Brightness</b>	250 cd / m <sup>2</sup> typ.
<b>Active Display Area</b>	337.9 mm horizontal x 270.3mm vertical
<b>AC/DC adapter</b>	Input:AC 87~264V,47~63 Hz Output:+12V DC.
<b>Dimensions ( WxHxD )</b>	413.8 mm(W) x 403(H) mm x 229(D) mm
<b>Weight</b>	6.2 kg (unit)
<b>Input connector</b>	15 Pin D-Sub.
<b>Power management</b>	< 2W in Active Off mode
<b>Temperature</b>	Operating : 0°C ~ +40°C Storage : -20°C ~ +60°C

### 3. LOCATION OF CONTROLS

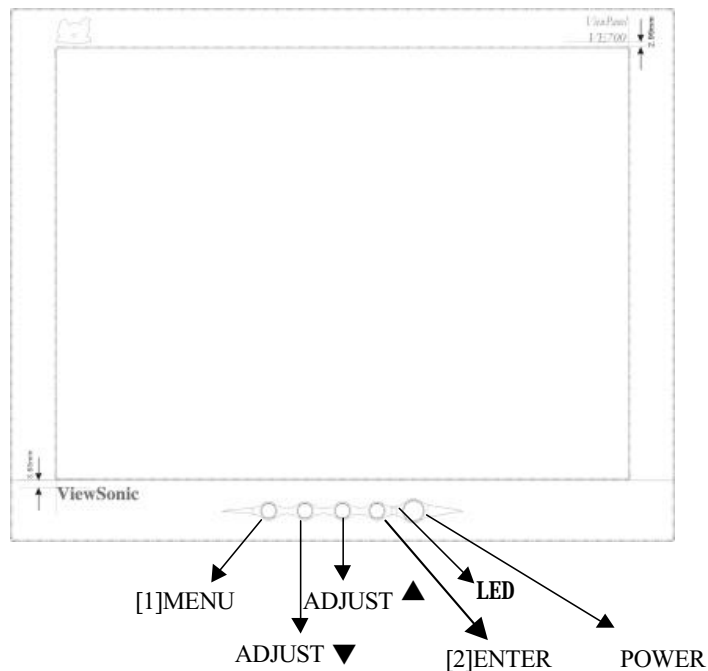


Figure 3-1: Front Panel Controls & Indicators

- 1) **POWER :**  
Press the power key to turn the monitor on. Press it again to turn the monitor off.
- 2) **[1]MENU :**  
Enter or exit the OSD adjustment menu.it also exit from the submenu back to previous menu.
- 3) **[2]ENTER :**  
To confirm the current selection
- 4) **ADJUST ▲ (UP)**  
To scroll up in menu or to increase value of selected item.
- 5) **ADJUST ▼ :(DOWN)**  
To scroll down in menu or to decrease value of selected item.
- 6) **POWER INDICATOR :**  
The LED will light with green color in normal on state,and will light with orange color in power saving mode.
- 7) **Brightness/Contrast:** press button UP/DOWN .
- 8) **Auto Image Adjust :** press button [2] .
- 9) **OSD lock and unlock:** press two buttons [1]&[Up] simultaneously for 10 seconds.
- 10) **Power lock and unlock:** press two buttons [1]&[Down] simultaneously for 10 seconds.

## 4. INTERNAL CONNECTOR PIN DEFINITION

**SXGA I/F** BOARD (DPWBN5408T8----)

**JP4** :Key Switch for OSD Adjustment,Power Switch and Brightness Control

Input Terminal

Connector P/N:VCNCP0908REJST-

Pin NO.	Symbol	Function
1	MENU	For OSD Adjustment
2	ENTER	For OSD Adjustment
3	UP	For OSD Adjustment
4	DOWN	For OSD Adjustment
5	RED	For LED
6	GREEN	For LED
7	PSW	Power ON/OFF
8	GND	

**JP1** :Output Terminal for inverter unit

Connector P/N :VCNCP0906REJST-

Pin NO.	Symbol	Function
1	VIN	Supply Voltage for Inverter unit(DC+12)
2	VIN	Supply Voltage for Inverter unit(DC+12)
3	ON/OFF	
4	DIMMING	
5	GND	
6	GND	

**JP3**:Power Input Terminal

Connector P/N :QJAKP1044T8----

Pin NO.	Symbol	Function
1	POWER	DC+12V
2	POWER	DC+12V
3	GND	GND
4	GND	GND

## **XGA I/F BOARD (DPWBN5408T8-----)**

**J1:Signal input terminals**

Connector P/N:QCNCD1145T8----

Pin NO.	Symbo	Function
1	RED	RED Video input signal
2	GREEN	GREEN Video input signal
3	BLUE	BLUE Video input signal
4	GND	GND
5	RETURN	GND
6	RED RETURN	GND for RED video signal
7	GREEN RETURN	GND for GREEN video signal
8	BLUE RETURN	GND for BLUE video signal
9	5V_DDC	TO DDC PIN 8
10	SYNC. RETURN	GND for SYNC. Signal
11	GND	GND
12	DDC data	TO DDC PIN 5(SDA)
13	H SYNC	Horizontal Sync.signal
14	V SYNC	Vertival Signal
15	DDC clock	TO DDC PIN 6(SCL)

**J2:Output terminal for LCD PANEL**

Connector P/N:QCNCP2001T8----

Pin NO.	Symbo	Function
1	EPCL	
2	ELOAD	
3	EDO/I	
4	GND	
5	XECLK	
6	GND	
7	XEDINV	
8	GND	
9	XOOR7	
10	XOOR6	
11	XOOR5	
12	XOOR4	
13	XOOR3	
14	XOOR2	
15	XOOR1	
16	XOOR0	



Pin NO.	Symbo	Function
17	XOOG7	
18	XOOG6	
19	XOOG5	
20	XOOG4	
21	XOOG3	
22	XOOG2	
23	XOOG1	
24	XOOG0	
25	GND	
26	XOOB7	
27	XOOB6	
28	XOOB5	
29	XOOB4	
30	XOOB3	
31	XOOB2	
32	XOOB1	
33	XOOB0	
34	OPOL	
35	OLOAD	
36	ODOM	
37	GND	
38	XOCLK	
39	GND	
40	XODINV	
41	GND	
42	XOFR7	
43	XOFR6	
44	XOFR5	
45	XOFR4	
46	XOFR3	
47	XOFR2	
48	XOFR1	
49	XOFR0	
50	XOFG7	

### **J3:Output terminal for LCD PANEL**

Connector P/N:QCNCP2001T8----

Pin NO.	Symbo	Function
1	XFOR7	
2	XFOR6	
3	XFOR5	
4	XFOR4	
5	XFOR3	
6	XFOR2	
7	XFOR1	
8	XFOG0	
9	XFOG7	
10	XFOG6	
11	XFOG5	
12	XFOG4	
13	XFOG3	
14	XFOG2	
15	XFOG1	
16	XFOG0	
17	GND	
18	XFOB7	
19	XFOB6	
20	XFOB5	
21	XFOB4	
22	XFOB3	
23	XFOB2	
24	XFOB1	
25	XFOB0	
26	XFFR7	
27	XFFR6	
28	XFFR5	
29	XFFR4	
30	XFFR3	
31	XFFR2	
32	XFFR1	
33	XFFR0	
34	GND	
35	XFFG7	

36	XFFG6	
Pin NO.	Symbo	Function
37	XFFG5	
38	XFFG4	
39	XFFG3	
40	XFFG2	
41	XFFG1	
42	XFFG0	
43	XFFB7	
44	XFFB6	
45	XFFB5	
46	XFFB4	
47	XFFB3	
48	XFFB2	
49	XFFB1	
50	XFFB0	

### **J1:Output terminal for LCD PANEL**

Connector P/N:QCNCP2002T8----

Pin NO.	Symbo	Function
1	XOFG6	
2	XOFG5	
3	XOFG4	
4	XOFG3	
5	XOFG2	
6	XOFG1	
7	XOFG0	
8	GND	
9	XOFB7	
10	XOFB6	
11	XOFB5	
12	XOFB4	
13	XOFB3	
14	XOFB2	
15	XOFB1	
16	XOFB0	
17	V+3.3V	
18	V+3.3V	
19	V+3.3V	

20	AVDD_+9.6V	
Pin NO.	Symbo	Function
21	AVDD_+9.6V	
22	AVDD_+9.6V	
23	YV1_+25.09V	
24	YVEE_-4.96V	
25	GND	
26	GALE_ON	
27	YOE	
28	YCLK	
29	YDIO2	
30	YDIO1	

### **SW board (DPWBN5415T8----)**

**CN4:**Output Terminal for OSD,power and brightness control

Use connector:VCNCP0908REJST-

Pin NO.	Symbo	Function
1	KEY	
2	LED-G	
3	LED-R	
4	MENU	S1 For OSD Adjustment
5	SELECT	S2 For OSD Adjustment
6	GROUND	
7	DOWN	S4 For OSD Adjustment
8	UP	S3 For OSD Adjustment

### **INVERTER**

**CON1:**Inverter input Terminal

Pin	Symbo	Function
1	VBL	+12V Power Supply for backlight
2	VBL	+12V Power Supply for backlight
3	BLON	Backlight on/off signal (HI:backlight ON,Low:backlight OFF)TTL level
4	DIMMI	Ground for VBL line ,VDIM and BLON
5	GND	
6	GND	

## 5. CABLE PIN DEFINITION

Switch board cable(QCNWS0908T8006-):24AWG,shielding cable connection relationship

PHR-8	PHR-8
Pin NO.	Pin NO.
1	8
2	7
3	6
4	5
5	4
6	3
7	2
8	1

Inverter cable(QCNWS0906T8010-):24AWG,Shielding cable connection relationship

PHR-6	PHR-6
Pin NO.	Pin NO.
1	1
2	2
3	4
4	3
5	5
6	6

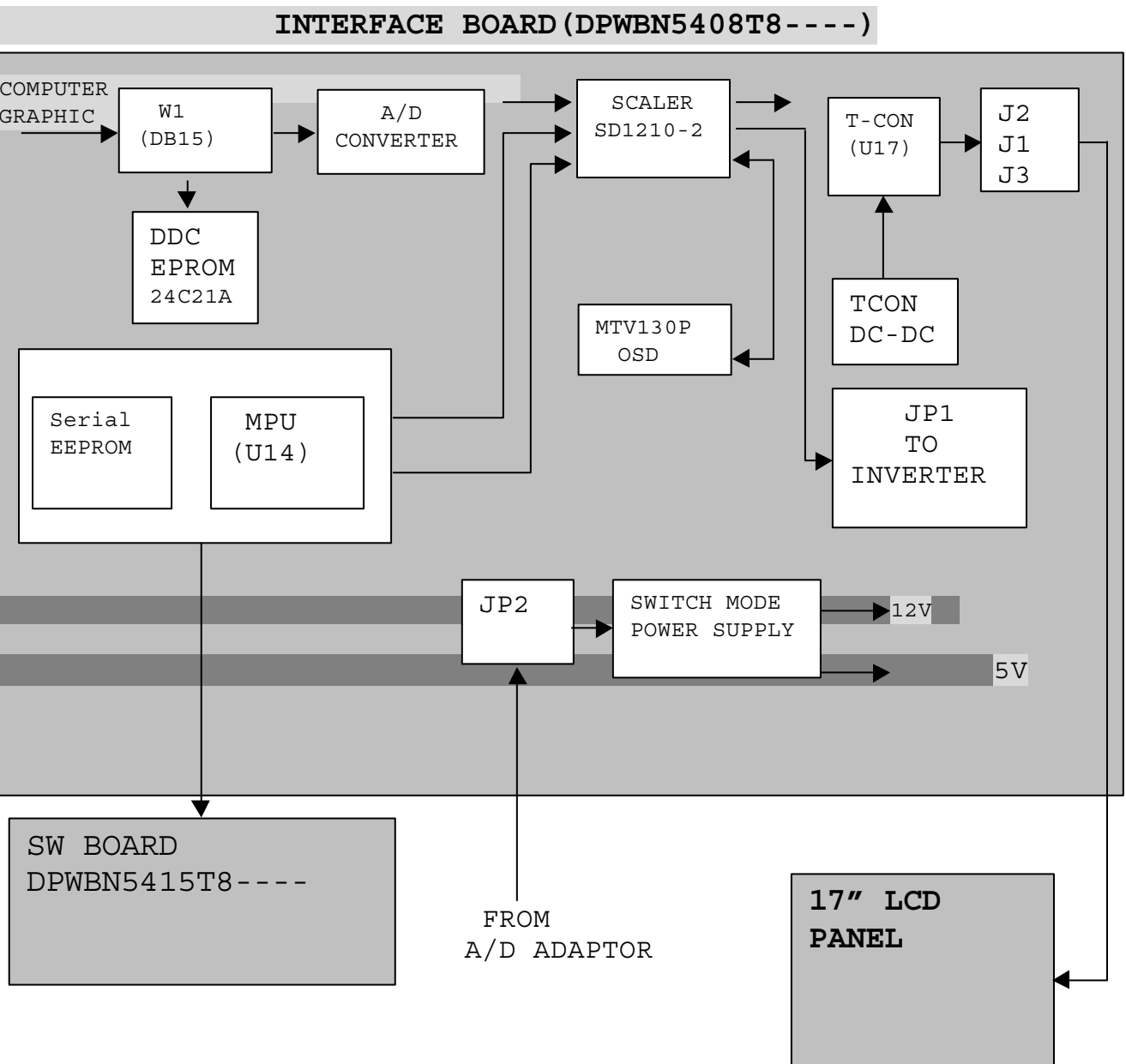
**PANEL cable(QCODS1477T8----)\*2**  
connection relationship

Pin NO.(FH12-50S-0.5SH)	Pin NO.(PANEL)	Pin NO. (FH12-50S-0.5SH)	Pin NO.(PANEL)
1	1	38	38
2	2	39	39
3	3	40	40
4	4	41	41
5	5	42	42
6	6	43	43
7	7	44	44
8	8	45	45
9	9	46	46
10	10	47	47
11	11	48	48
12	12	49	49
13	13	50	50
14	14		
15	15		
16	16		
17	17		
18	18		
19	19		
20	20		
21	21		
22	22		
23	23		
24	24		
25	25		
26	26		
27	27		
28	28		
29	29		
30	30		
31	31		
32	32		
33	33		
34	34		
35	35		
36	36		
37	37		

**PANEL cable(QCODS1476T8----)**  
**connection relationship**

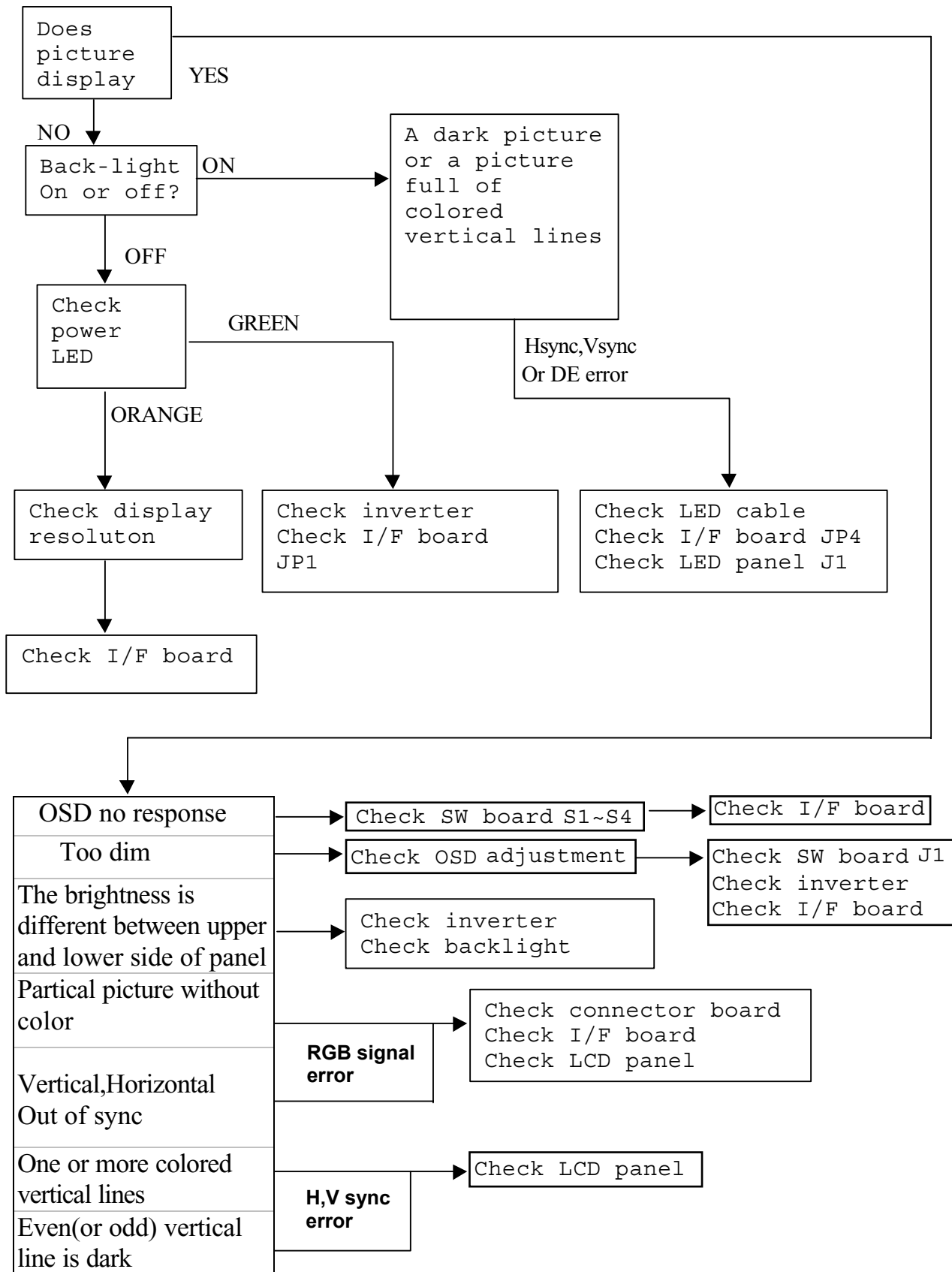
Pin NO.(FH12-30S-0.5SH)	Pin NO.(PANEL)
1	1
2	2
3	3
4	4
5	5
6	6
7	7
8	8
9	9
10	10
11	11
12	12
13	13
14	14
15	15
16	16
17	17
18	18
19	19
20	20
21	21
22	22
23	23
24	24
25	25
26	26
27	27
28	28
29	29
30	30

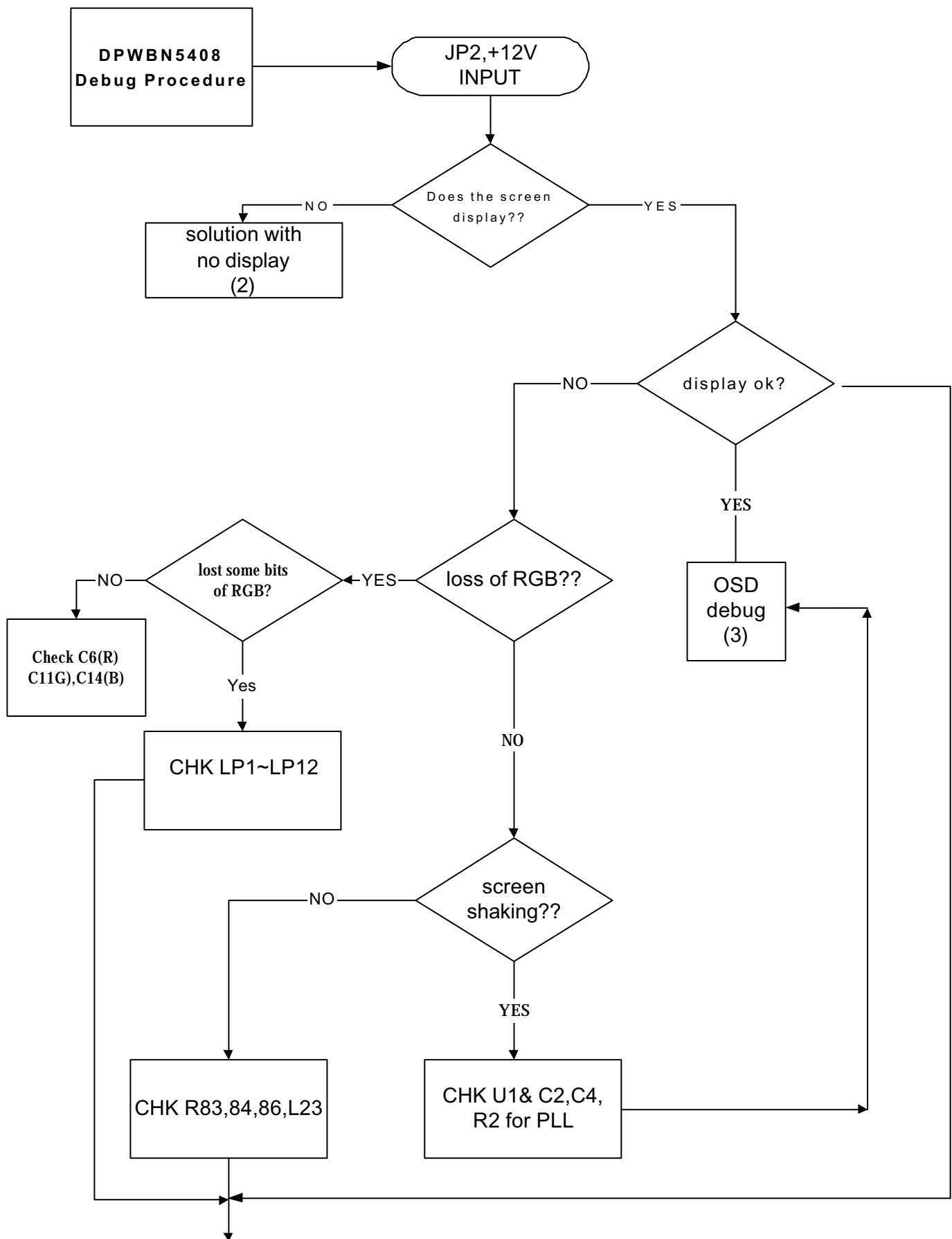
## 6. BLOCK DIAGRAM

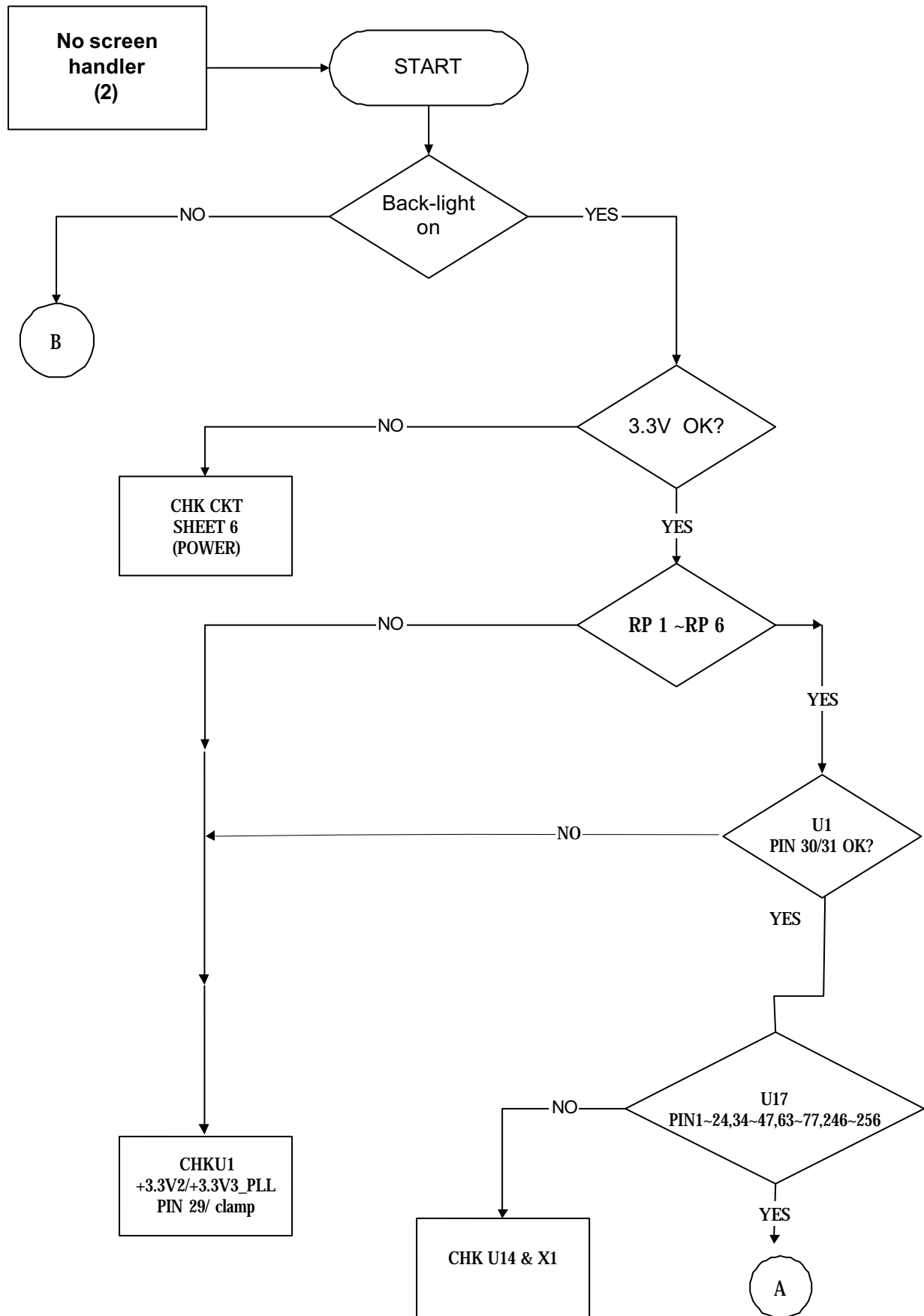


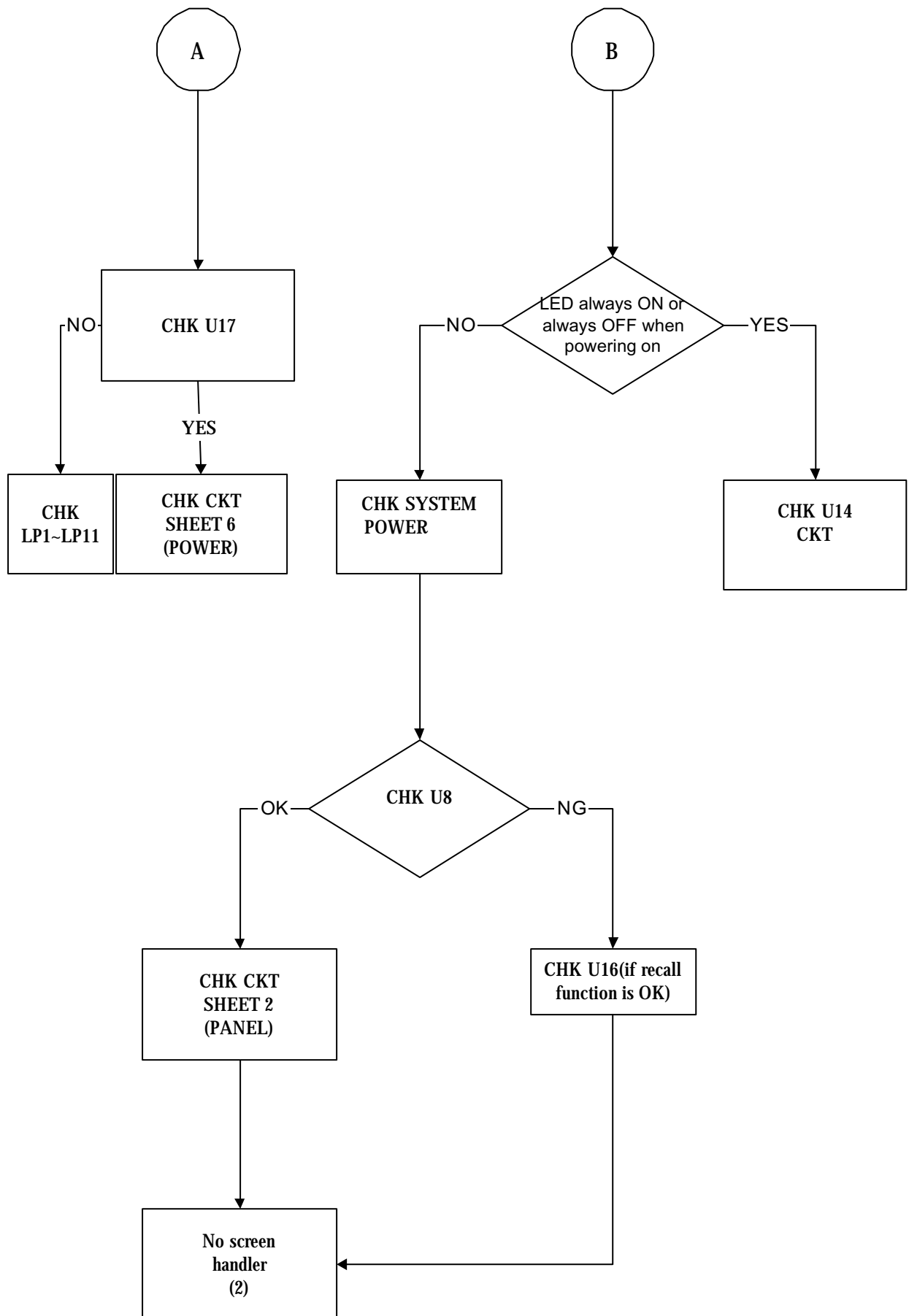


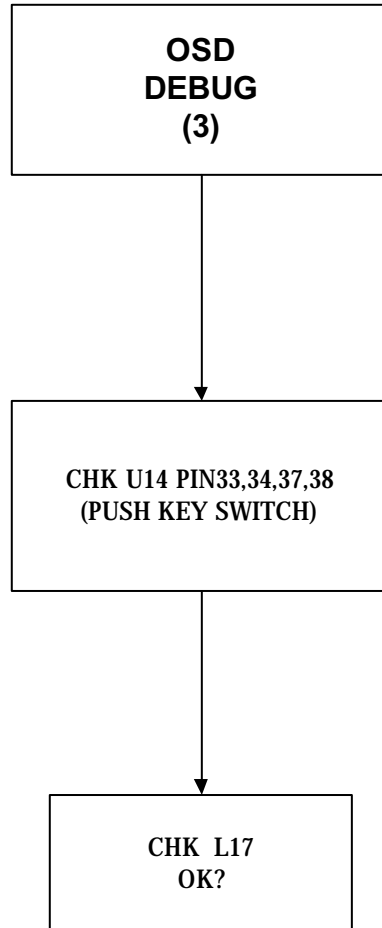
## 7. TROUBLE SHOOTING FLOW CHART

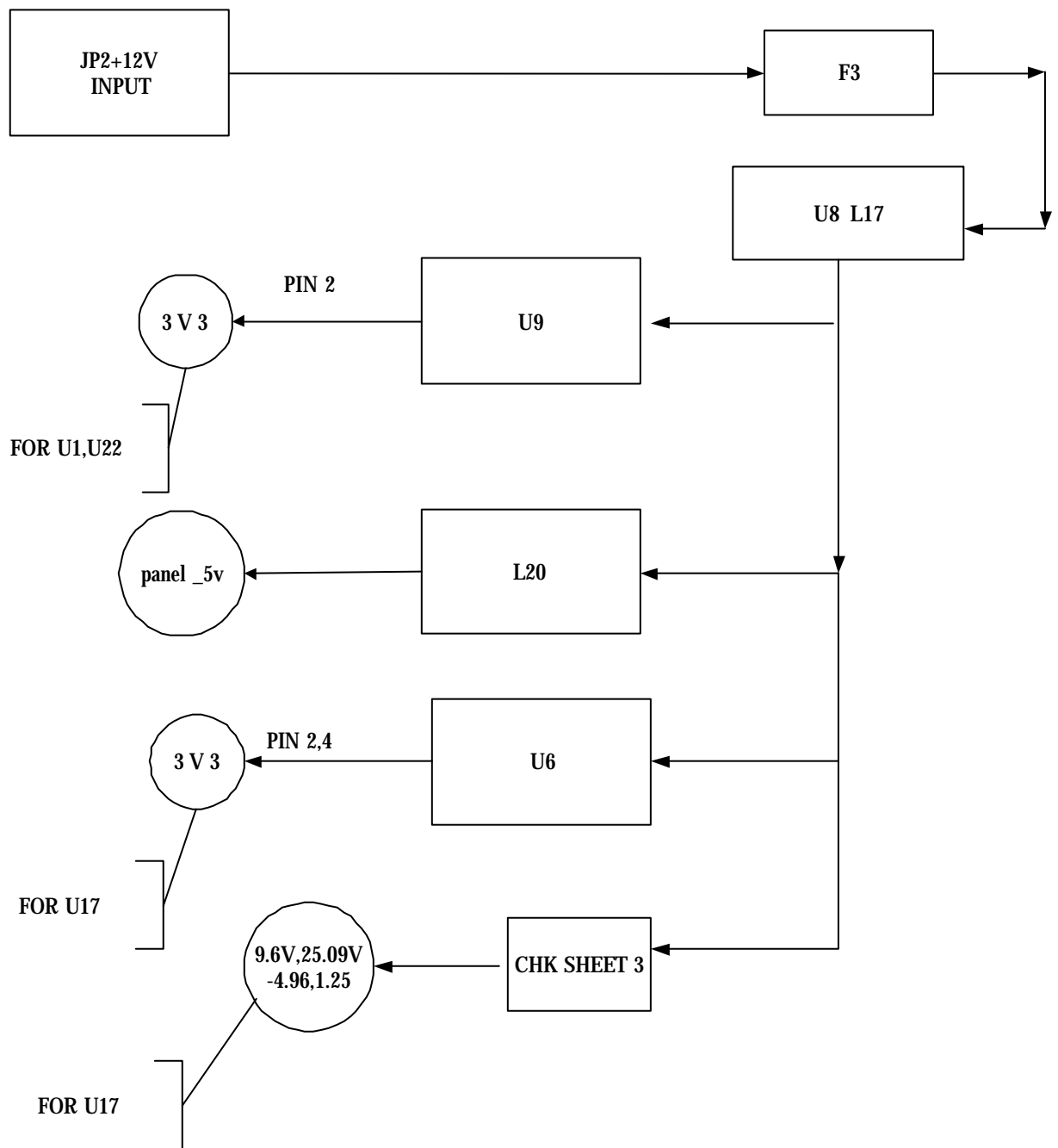












## 8. SPARE PARTS LIST

LEVEL-NO	PARTS-CODE	QTY	UNIT	POSITION AND DESCRIPTION
414701	GSTN-2870D8F	1 PCS	1	BASE
414702	MHNGM0019D8	1 PCS	1	HINGE
414703	LANGF2052D8	1 PCS	1	BASE PLATE
414704	XESSD30P06000	5 PCS	1	BASE PLATE/BASE*5
414705	XBSSD40P12000	4 PCS	1	BASE PLATE/HINGE*4,
414706	GLEGG1460D8F	4 PCS	1	RUBBER LEG
420001	DPWBN5415T8	1 SET	1	SW BOARD
420002	QCNWS0906T8010	1 PCS	1	INVERTER WRE
420003	QCNWS0908T8006	1 PCS	1	OSD WIRE
420004	RCORA5092T8	1 PCS	1	CORE(K5A RP 28*7.7*14.6)
420005	RCORA5093T8	2 PCS	1	CORE(K5A RP 33.5*6.5*20)
420006	TLABZ4916T8	1 PCS	1	INVERTER LABEL
420701	GCABA2301D8F	1 PCS	1	CAB- A
420702	GCABB1734D8F	1 PCS	1	CAB- B
420703	JKNBP2309D8F	1 PCS	1	KNOB
420704	GCOVD2390D8F	1 PCS	1	LOGO PLATE
420705	GCOVD2402D8F	1 PCS	1	REAR COVER
420707	LANGF2051D8	1 PCS	1	D_SUB BRACKET
420708	PSLDM6442D8-A	1 PCS	1	SHIELD CASE(MAIN BOARD)
420709	PSLDM6443D8	1 PCS	1	SHIELD CASE(INVERTER BOARD)
420710	XEASD30P06000	13 PCS	1	FOR MAIN BRACKET*11, HINGE*2
420711	XEPSN26P06000	5 PCS	1	KEYBOARD/CAB-A*3, HINGE/ CAB-A*2
420712	XEPSD40P12000	2 PCS	1	CAB-A/CAB-B*2
420713	XBMSD30P06000	21 PCS	1	INVERTER*2, MAIN*5, SHIELD*10, D- SUB*3, CABLE CLIP*1
420715	XBMSD40P08000	4 PCS	1	MHNGM0019*4
420716	LBOSM1069D8	2 PCS	1	BOSS FOR VGA CONNECTOR
420717	HDECP1929D8F	1 PCS	1	LENS
420718	HBDGA1724D8	1 PCS	1	VS LOGO
420719	PISL-1243D8	1 PCS	1	MYLAR FOR INVERTER
420720	PGAD-1009D8	0 PCS	1	MOVABLE BUSHING
420721	PISLV0205D8	1 PCS	1	DECORATION PLATE
420722	LANGF2066D8	1 PCS	1	BRACKET(MAIN-SUB)
420723	LANGF2063D8	1 PCS	1	KENSINGTON BRACKET
420B01	ZADHSDNJ-LK	0.5G	1	
421000	CPWBVE700T8ACED	1 SET	1	DUMB PANEL (17" AU)
430001	RUNTP5459T8	1 PCS	1	AC/AD ADAPTER(HJC 4A 1.65)
430002	TLAB-5271T8	1 PCS	1	MODEL LABEL
430003	TCAD-1277T8	1 PCS	1	TC099 DOCUMENT
430004	QACC-1228T8D-F	1 PCS	1	AC POWER CORD EU 1.8M BLACK
430005	QCODS1492T8D-A	1 PCS	1	VGA CABLE 1.8M FOR PC99
430006	QACC-1126D8D	1 PCS	1	AC POWER CORD(1.8M)USA
430007	TLABZ3903D8	1 PCS	1	UPC LABEL
430008	TLAB-5405T8	1 PCS	1	S/N LABEL
430009	TINSE2851T8	1 PCS	1	USER S MANUAL+CD DRIVER
430701	SPAKA6463D8F	1 SET	1	EPS PAD
430702	SPAKC3246D8	1 PCS	1	CARTON
430703	SSAKH1356D8-T	1 PCS	1	SET BAG
430B01	ZTAPEQ072T050-B	2 M	1	
430B02	ZTAPEQ019T040	0.1M	1	
430B03	TLABZ3658D8B	1. PCS	1	
430B05	ZTAPEY340T200	0.4M	1	

MODEL: DPWBN5408T8

LEVEL-NO	PARTS- CODE	QTY	UNIT	POSITION AND DESCRIPTION
100002	VCEACU1CH477M-P	4 PCS	1	C105, 107, 108, 112 (470UF/16V)
100002A	VCEACU1CG477M-P	6 PCS	1	SECOND SOURCE
200001	VSI24C16BP3	2 PCS	4	U11, 16
200001A	VSI24C16ADP01	2 PCS	4	SECOND SOURCE
200001B	VSI24WC16P	2 PCS	4	SECOND SOURCE
200002	VSI24C21	1 PCS	4	U4
200002A	VSI24LCS21A	1 PCS	4	SECOND SOURCE
200003	QCNC1175T8	1 PCS	1	W1 (180 DEGREE DB-15, PC99)
200004	RCRSL1167T8	1 PCS	1	X1 (12 MHZ)
200004A	RCRSL1132T8	1 PCS	1	SECOND SOURCE
200005	QJAKD1018T8D	1 PCS	1	JP2 (POWER JACK)
200007	VCNCP0906REJST	1 PCS	1	JP1
200008	VCNCP0908REJST	1 PCS	1	JP4
200009	RFIL-5147T8111	1 PCS	1	L17
200B01	ZSOLDB630	4 G	1	
200B02	ZFLUXNKST933	5 G	1	
200B03	ZTHNR-4520	6.5G	1	
200B04	ZSOLDW630-1R6-A	0.1G	1	
200B04A	ZSOLDW630-1R6-D	0.1G	1	
200B05	TLAB-3547T8	1. PCS	1	
200B06	TLAB-4862D8	1 PCS	1	
200B07	ZTAPEMD12A045	50 MM	1	
200B08	ZSLCN-SEKE40	0.8G	1	
200B08A	ZSLCN-TSE3843-W	0.8G	1	SECOND SOURCE
220001	VSISMD230-S	1 PCS	4	U14
220B01	TLAB-4862D8-	1 PCS	1	
260001	QPWB-5408T8---B	1 PCS	1	I/F BOARD FOR VIEW SONIC 17"
260002	VRMDNVG--000J-A	7 PCS	1	R21, 39, 55, 90, 112, 116, 117
260003	VRMDNVG--000J-A	10 PCS	1	R122, 124, 130, 131, 132, 134, 137, 138, 141, 142
260004	VRMDNVG--000J-A	5 PCS	1	R148, 149, 150, 151, L4
260006	VRMDNVG--100J-A	3 PCS	1	R35, 36, 49
260007	VRMDNVG--101J-A	7 PCS	1	R17, 18, 20, 94, 105, 107, 109,
260008	VRMDNVG--102J-A	5 PCS	1	R66, 91, 98, 99, 173
260009	VRMDNVG--103J-A	13 PCS	1	R9, 10, 15, 16, 19, 53, 60, 67, 71, 73, 95, 96, 97
260010	VRMDNVG--103J-A	2 PCS	1	R155, 171
260011	VRMDNVG--104J-A	5 PCS	1	R24, 26, 57, 72, 75
260012	VRMDNVG--105J-A	1 PCS	1	R102
260014	VRMDNVG--123J-A	1 PCS	1	R61
260015	VRMDNVG--151J-A	1 PCS	1	R103
260016	VRMDNVG--222J-A	2 PCS	1	R160, 162
260017	VRMDNVG--202J-A	11 PCS	1	R12, 13, 30, 31, 47, 74, 76, 77, 78, 108, 110,
260018	VRMDNVG--202J-A	3 PCS	1	R156, 157, 158
260019	VRMDNVG--220J-A	7 PCS	1	R1, 69, 88, 100, 101, 170, 104
260020	VRMDNVG--243J-A	1 PCS	1	R153
260021	VRMDNVG--330J-A	10 PCS	1	R11, 14, 79, 80, 83, 84, 86, 87, 92, 93
260023	VRMDNVG--331J-A	1 PCS	1	R70
260024	VRMDNVG--332J-A	1 PCS	1	R2
260025	VRMDNVG--472J-A	10 PCS	1	R43, 44, 54, 65, 81, 82, 154, 159, 161, 174
260026	VRMDNVG--473J-A	2 PCS	1	R22, 27
260027	VRMDNVG--513J-A	1 PCS	1	R23
260029	VRMDNVG--750J-A	6 PCS	1	R3, 4, 5, 6, 7, 8
260032	VRMDNVG-1000F-A	2 PCS	1	R120, 144
260033	VRMDNVG-1001F-A	1 PCS	1	R40
260035	VRMDNVG-1102F-A	1 PCS	1	R52



LEVEL-NO	PARTS-CODE	QTY	UNIT	POSITION AND DESCRIPTION
260036	VRMDNVG-1133F-A	1 PCS	1	R48
260037	VRMDNVG-1472F-A	1 PCS	1	R32
260038	VRMDNVG-1501F-A	2 PCS	1	R126, 128
260041	VRMDNVG-2001F-A	2 PCS	1	R125, 127
260042	VRMDNVG-2002F-A	2 PCS	1	R62, 63,
260043	VRMDNVG-2201F-A	1 PCS	1	R37
260045	VRMDNVG-2400F-A	2 PCS	1	R118, 129
260047	VRMDNVG-3902F-A	1 PCS	1	R45
260048	VRMDNVG-4301F-A	1 PCS	1	R38
260049	VRMDNVG-4701F-A	2 PCS	1	R42, 115
260052	VRMDNVG-6802F-A	1 PCS	1	R41
260053	VRMDNVG-7501F-A	3 PCS	1	R58, 59, 64
260054	VRMDNVG-8202F-A	1 PCS	1	R34
260055	VRMDNVG--302J-A	1 PCS	1	R172
260057	VRMBNV4--0R0J-A	1 PCS	1	R28
260060	RNWRB1618T8101M	6 PCS	1	RP1, 2, 3, 4, 5, 6
260061	RNWRB1618T8472A	6 PCS	1	RP7, 8, 9, 10, 11, 12,
260062	RNWRB1618T8330M	12 PCS	1	LP1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12
260063	RFIL-5239T8121A	18 PCS	1	BA1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18
260064	RFIL-5239T8121A	6 PCS	1	BA19, 20, 21, 22, 23, 24
260065	VCLFHN1HG104Z-A	11 PCS	1	C3, 5, 16, 17, 21, 24, 28, 29, 30, 31, 32,
260066	VCLFHN1HG104Z-A	13 PCS	1	C36, 37, 38, 39, 40, 41, 42, 47, 49, 58, 60, 63, 68,
260067	VCLFHN1HG104Z-A	12 PCS	1	C76, 77, 80, 82, 87, 89, 95, 101, 102, 103, 106, 109
260068	VCLFHN1HG104Z-A	8 PCS	1	C110, 113, 115, 117, 122, 125, C126, 127
260069	VCLFHN1HG104Z-A	10 PCS	1	C128, 129, 130, 131, 132, 133, 134, 135, 136, 137
260070	VCLFHN1HG104Z-A	7 PCS	1	C140, 147, 155, 156, 159, 160, 161,
260071	VCLFHN1HG104Z-A	7 PCS	1	C175, 176, 177, 178, 188, 189, R68
260075	VCICHN1HH101J-A	6 PCS	1	C20, 26, 27, 43, 73, 85
260076	VCICHN1HG102K-A	10 PCS	1	C48, 171, 173, 179, 180, 181, 182, 192, 193, 194
260077	VCIRHN1HG103K-A	9 PCS	1	C33, 52, 53, 55, 56, 97, 98, 104, 139
260078	VCIRHN1HG103K-A	4 PCS	1	C164, 170, 172, 174
260079	VCICHN1HH121J-A	1 PCS	1	C92
260080	VCICHN1HH151J-A	1 PCS	1	C72
260081	VCICHN1HH100J-A	8 PCS	1	C6, 11, 14, 153, 154, 157, 190, 191
260082	VCICHN1HH220J-A	11 PCS	1	C123, 142, 145, 151, 152, 165, 167, 169, 183, 184, 185
260083	VCICHN1HH221J-A	3 PCS	1	C96, 145, 163
260084	VCICHN1HG222K-A	4 PCS	1	C74, 75, 86, 121
260085	VCLFHN1EG224Z-A	2 PCS	1	C88, 90
260086	VCICHN1CH330J-A	3 PCS	1	C120, 166, 186
260087	VCIRHN1HG392M-A	1 PCS	1	C2
260088	VCICHN1HG393M-A	1 PCS	1	C4
260089	VCICHN1HH471K-A	2 PCS	1	C168, 187
260090	VCICHN1HH470J-A	1 PCS	1	C19
260091	VCICHN1HG472K-A	3 PCS	1	C70, 71, 81
260092	VCLFHN1HG473Z-A	3 PCS	1	C8, 9, 13
260093	VCLFHN1CH474K-A	4 PCS	1	C50, 51, 54, 57
260095	VCLFCN1CG105Z-A	7 PCS	1	C10, 67, 91, 93, 118, 119, 150
260098	VCEABN1CX106M-A	4 PCS	1	C78, 79, 83, 141 (10UF/16V)
260099	VCEABN1CX107M-A	10 PCS	1	C25, 34, 35, 46, 66, 94, 114, 116, 124, 158(100UF/16V)
260100	VCEABN1HX475M-A	1 PCS	1	C69 (4.7UF/50V)
260101	VCEABN1CX226M-A	3 PCS	1	C59, 61, 84 (22UF/16V)
260110	VSIAD9883-140-D	1 PCS	4	U1
260111	VSISN74LV14A--A	1 PCS	4	U2
260113	VSIRN5VD23AA--A	1 PCS	4	U5
260114	VSILMI117MPX-NA	1 PCS	4	U6

LEVEL-NO	PARTS-CODE	QTY	UNIT	POSITION AND DESCRIPTION
260114A	VSIAS111733-A	1 PCS	4	SECOND SOURCE
260114B	VSIRC1117S33-A	1 PCS	4	SECOND SOURCE
260114C	VSILD1117S33-A	1 PCS	4	SECOND SOURCE
260115	VSITPS5100-A	1 PCS	4	U7
260116	VSIPQ1CY1032-PA	1 PCS	4	U8
260117	VSIAIC1084-33-A	1 PCS	4	U9
260118	VSI9V9173-01	1 PCS	4	U12
260118A	VSIMK9173-01-A	1 PCS	4	SECOND SOURCE
260119	QSOCI1642T844	1 PCS	1	U14
260119A	QSOCI1645T844	1 PCS	1	U14 SECOND SOURCE
260120	VSI74AHC1G125TA	2 PCS	4	U15, 20
260121	VSISD1210-D	1 PCS	4	U22
260122	VSIAD30203-A	1 PCS	4	U17
260123	VSTCEM9435A-A	1 PCS	4	U23
260123A	VSISI9435DY-A	1 PCS	4	SECOND SOURCE
260125	VSISI2303DS-A	3 PCS	4	Q1, 2, 6
260126	VSISI3434DV-A	1 PCS	4	Q3
260127	VSI2N7002-A	1 PCS	4	Q4
260128	VSISI2306DS-A	1 PCS	4	Q10
260129	VSISI2302DS-A	1 PCS	4	Q11
260135	VST2N3904-A	8 PCS	1	Q5, 8, 9, 12, 13, 14, 17, 18
260135A	VSTM9BT3904T-MA	8 PCS	1	SECOND SOURCE
260136	VST2N3906-A	3 PCS	1	Q7, 15, 16
260137	VSZRLZ5.6B-A	5 PCS	1	ZD1, 2, 3, 4, 5
260138	VSDBAV99-A	3 PCS	1	D1, 2, 3
260138A	VSDBAV99A-A	3 PCS	1	SECOND SOURCE
260139	VSDSS22-A	3 PCS	1	D4, 5, 7
260139A	VSDSS24-A	3 PCS	1	SECOND SOURCE
260139B	VSDSK22-A	3 PCS	1	SECOND SOURCE
260139C	VSDSK24-A	3 PCS	1	SECOND SOURCE
260139D	VSDLYSS32-A	3 PCS	1	SECOND SOURCE
260140	VSDLYSS32-A	1 PCS	1	D6
260140A	VSDSS34-A	1 PCS	1	D6 SECOND SOURCE
260140B	VSDLYSS34-A	1 PCS	1	D6 SECOND SOURCE
260142	QFS-Z302FT8ZDAA	1 PCS	1	F1 (3A)
260143	QFS-Z102FT8ZDAA	1 PCS	1	F2 (1A)
260144	QFS-Z402F-81UAA	1 PCS	1	F3 (4A)
260147	RCHOL1076T83R3A	1 PCS	1	L10
260148	RCHOL1075T8470A	1 PCS	1	L12
260149	RCHOL1077T8101A	1 PCS	1	L11
260151	QCNC2002T8	1 PCS	1	J1 (FH12-30S-0.5SH)
260152	QCNC2001T8	2 PCS	1	J2, 3 (FH12-50S-0.5SH)
260153	RARCB0019T8220A	18 PCS	1	CA1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18
260154	RARCB0019T8220A	6 PCS	1	CA19, 20, 21, 22, 23, 24
260155	RCHOL1087T8220A	1 PCS	1	B1
260156	RFIL-5235T8600A	8 PCS	1	B5, 6, R119, 121, 123, 143, 145, 146
260157	RFIL-5231T8600A	1 PCS	1	L5
260158	RFIL-5232T8300A	6 PCS	1	L6, 7, 8, 19, 21, 25
260159	RFIL-5187T8500A	7 PCS	1	B2, 3, 4, L20, 24, 36, 37
260160	RFIL-5185T8121A	7 PCS	1	L14, 15, 31, 32, 33, 38, 39
260160A	RFIL-5179T8121A	7 PCS	1	L14, 15, 31, 32, 33, 38, 39 SECOND SOURCE
260161	RFIL-5151T8300A	7 PCS	1	L1, 2, 3, 23, 26, 28, 34
260162	RFIL-5233T8700A	3 PCS	1	L13, 16, 35
260163	RFIL-5107T8800A	2 PCS	1	R25, 50
260164	RFIL-5185T8121A	2 PCS	1	R29, 46

LEVEL-NO	PARTS-CODE	QTY	UNIT	POSITION AND DESCRIPTION
260B01	ZSOLDP630-370-1	0.9 G	1	

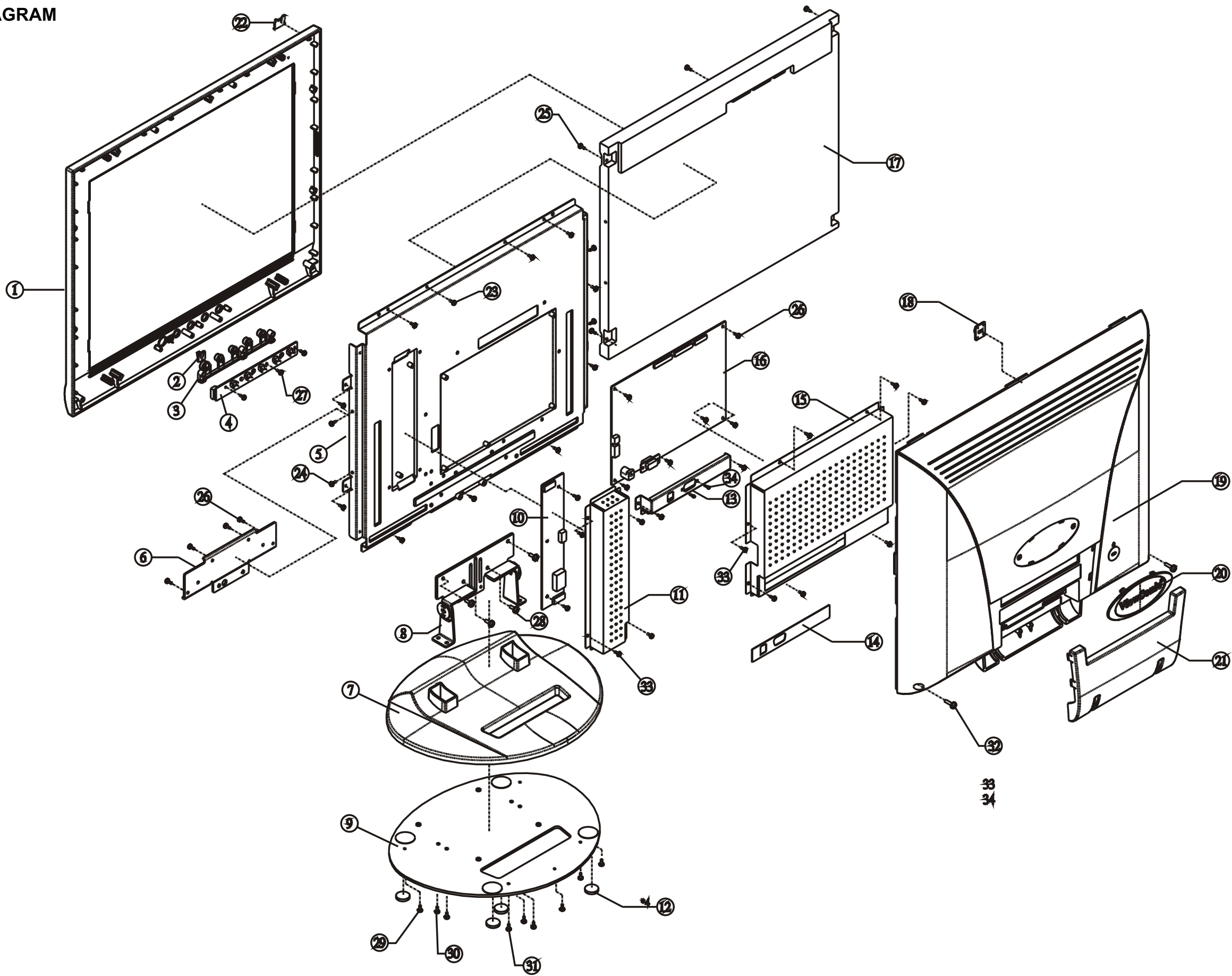
**MODEL: DPVBN5415T8**

LEVEL-NO	PARTS-CODE	QTY	UNIT	POSITION AND DESCRIPTION
201001	QPWB-5415T8-A	1 PCS	1	SW BOARD
201002	QSW-A1117T8	5 PCS	1	SW, 2, 3, 4, 5
201003	VSPSPR-39MWWF	1 PCS	1	LED1
201004	VCNCP0908REJST	1 PCS	1	J1

**MODEL: CPWBVE700T8ACED**

LEVEL-NO	PARTS-CODE	QTY	UNIT	POSITION AND DESCRIPTION
421001	VVLM70ES04	1 SET	1	DUMB PANEL(17"AV)
421002	RUNTP5392T8	1 PCS	1	INVERTER
421003	DPWBN5408T8	1 SET	1	I/F BOARD
421004	QCDS1476T8	1 PCS	1	FFC 30PIN CABLE
421005	QCDS1477T8	2 PCS	1	FFC 50PIN CABLE
421701	LANGF2050D8	1 PCS	1	MAIN BRACKET
421702	XBMSD30P10000	4 PCS	1	LANGF2047*4
421703	XBMSD30P04000	4 PCS	4	PANEL FIX*4
421B01	ZTAPEZ050C020	140 MM	1	140MM*1
421B02	ZTAPEU050K030	80 MM	1	80MM*1
421B04	ZSLCN-SEKE40	0.2 G	1	
421B04A	ZSLCN-TSE3843-W	0.2 G	1	

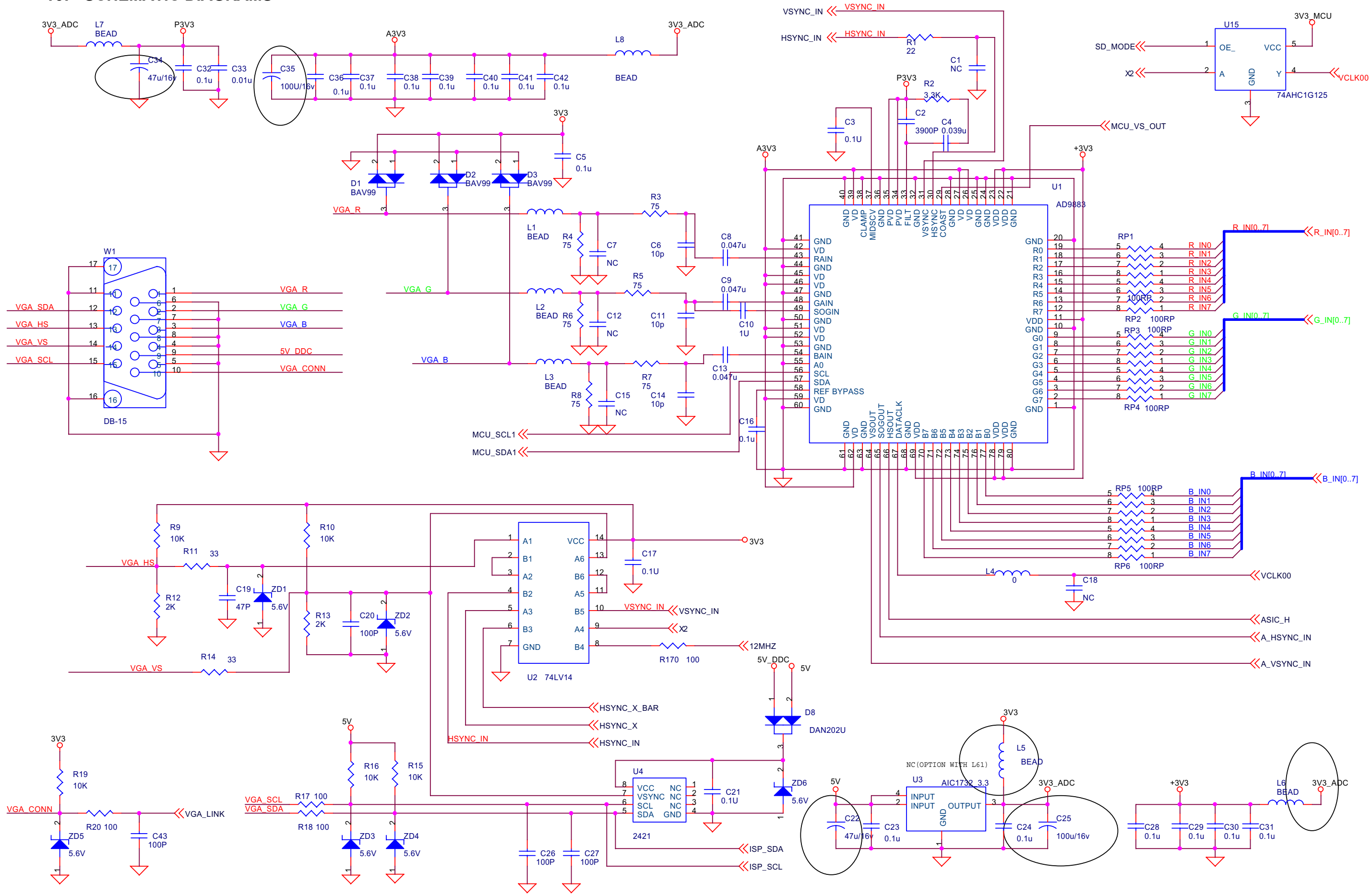
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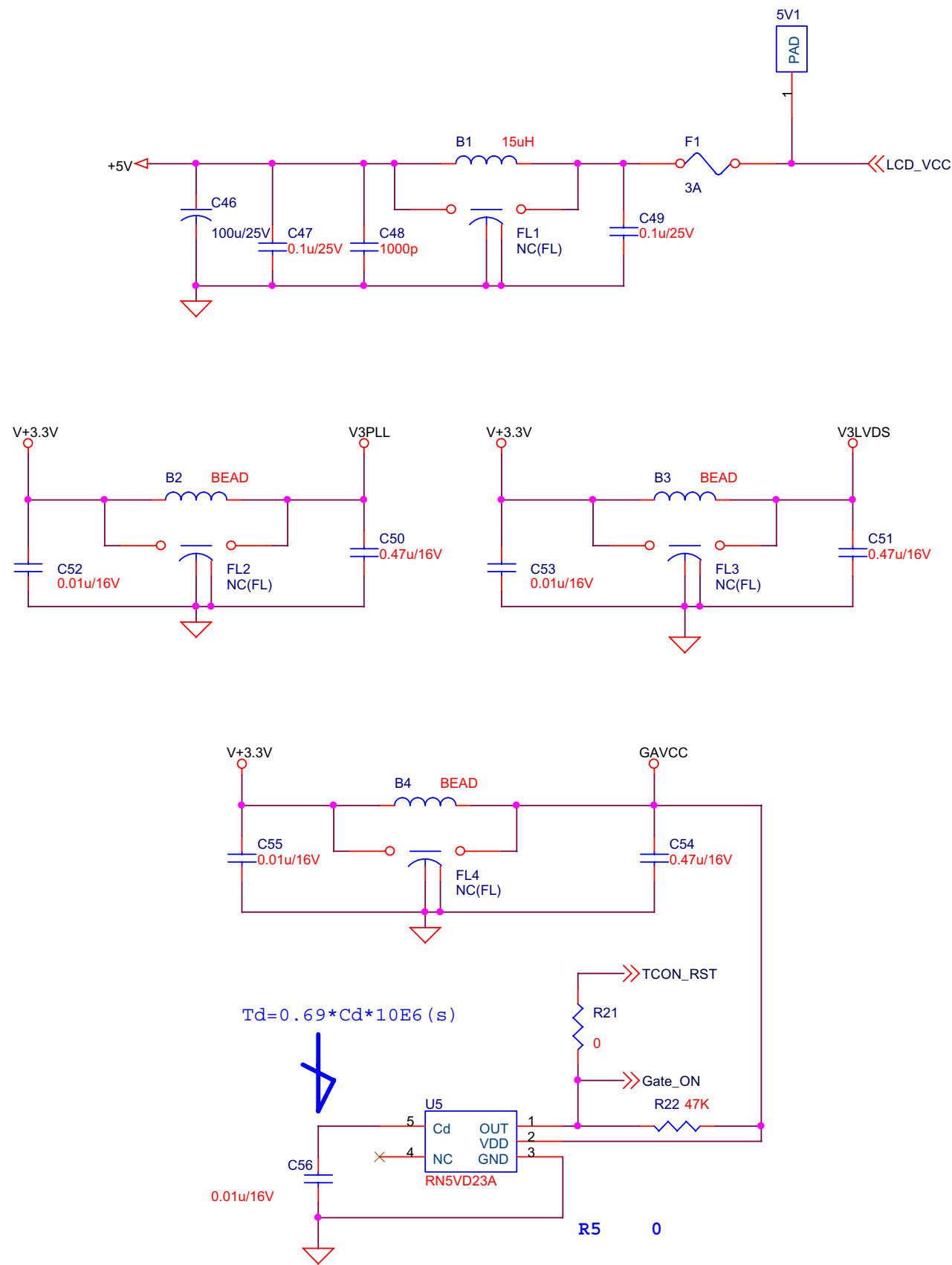


## VE700 Parts list

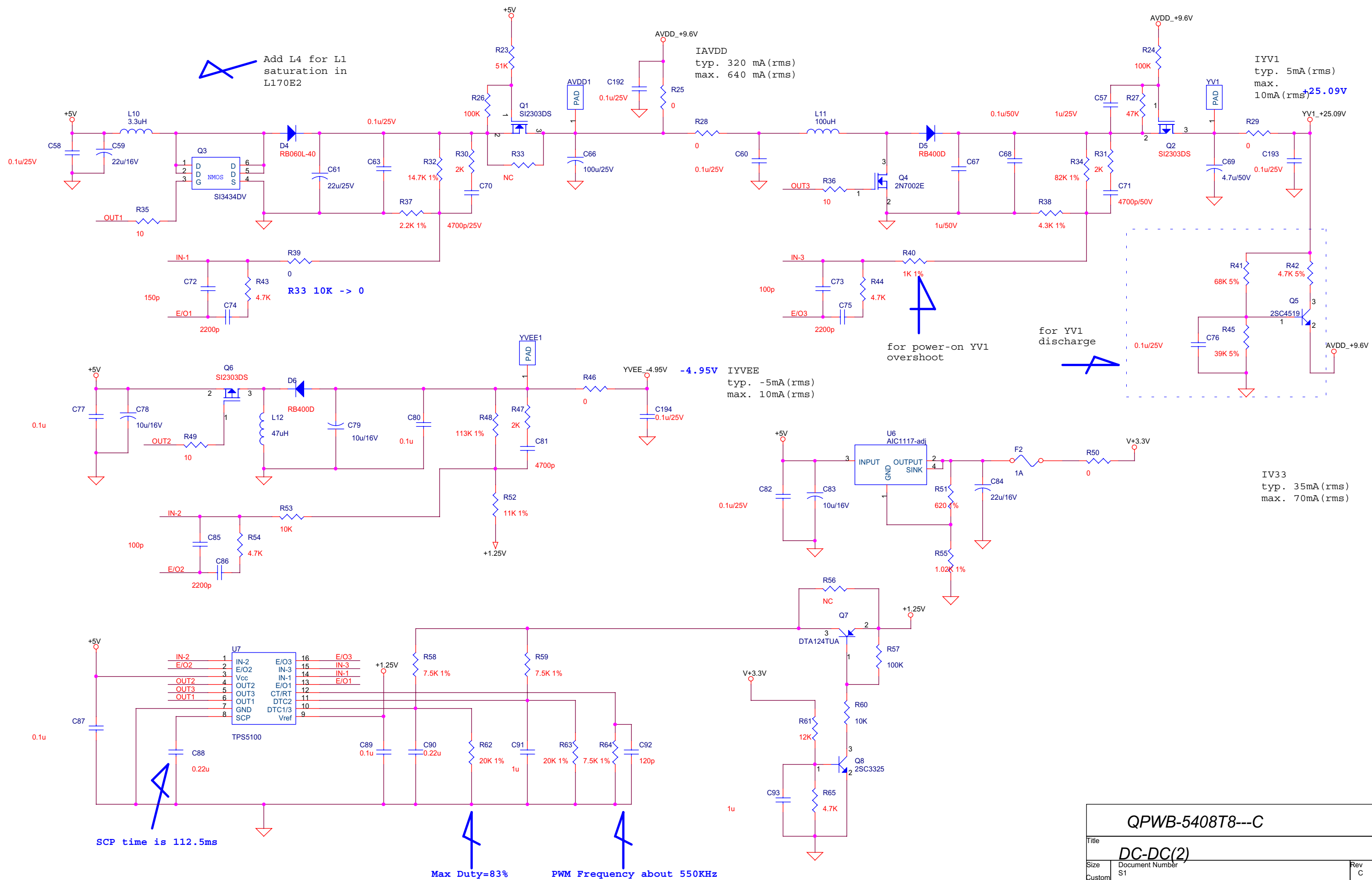
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1	FRONT COVER	GCABA2301D8F-A	1
2	LENS	HDECP1929D8F-	1
3	FUNCTION KNOB	JKNBP2309D8F-A	1
4	FUNCTION PCB	DPWBN5415T8-	1
5	MAIN BRACKET	LANGF2050D8-	1
6	BRACKET (MAIN-SUB)	LANGF2066D8-	1
7	BASE	GSTN-2870D8F-A	1
8	HINGE ASSY	MHNGM0019D8-	1
9	BASE PLATE	LANGF2052D8-A	1
10	INVERTER PCB	RUNTP5392T8-	1
11	SHIELD CASE (INVERTER BOARD)	PSLDM6443D8-	1
12	RUBBER LEG	GLEGG1460D8F-	4
13	D-SUB BRACKET	LANGF2051D8-	1
14	DECORATION PLATE	PISLV0205D8-A	1
15	SHIELD CASE (I/F BOARD)	PSLDM6442D8-A	1
16	I/F BOARD	DPWBN5408T8-	1
17	LCD PANEL 17	VVLM170ES04--	1
18	KENSINGTON BRACKET	LANGF2068D8-	1
19	REAR COVER	GCABB1734D8F-A	1
20	LOGO COVER	GCOVD2390D8F-	1
21	HINGE COVER	GCOVD2402D8F-A	1
22	BIRD PLATE	HBDGA1724D8-	1
23	SCREW	XEASD80P06000-	13
24	SCREW	XBMSD30P04000-	4
25	SCREW	XBMSD30P10000-	4
26	SCREW	XBMSD30P06000-	15
27	SCREW	XEPSN26P06000-	3
28	SCREW	XBMSD40P08TV0-	4
29	SCREW	XESSD30P08000-	2
30	SCREW	XBSSD70P12000-	4
31	SCREW	XESSD30P06000-	3
32	SCREW	XEPSB40P12000-	2
33	SCREW	XBMSD30P04000-	10
34	SCREW	LBOSM1069D8-	2

10. SCHEMATIC DIAGRAMS





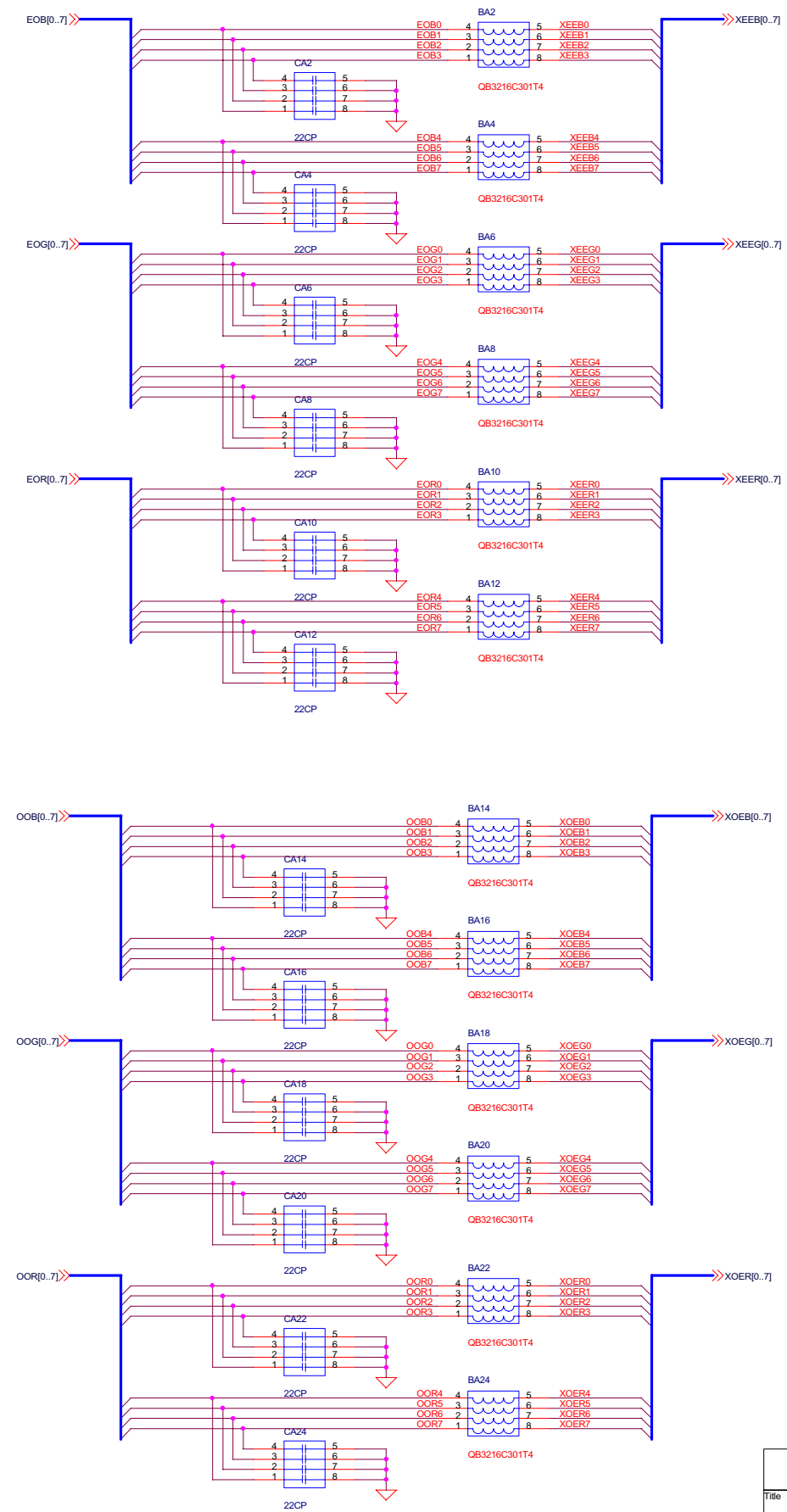
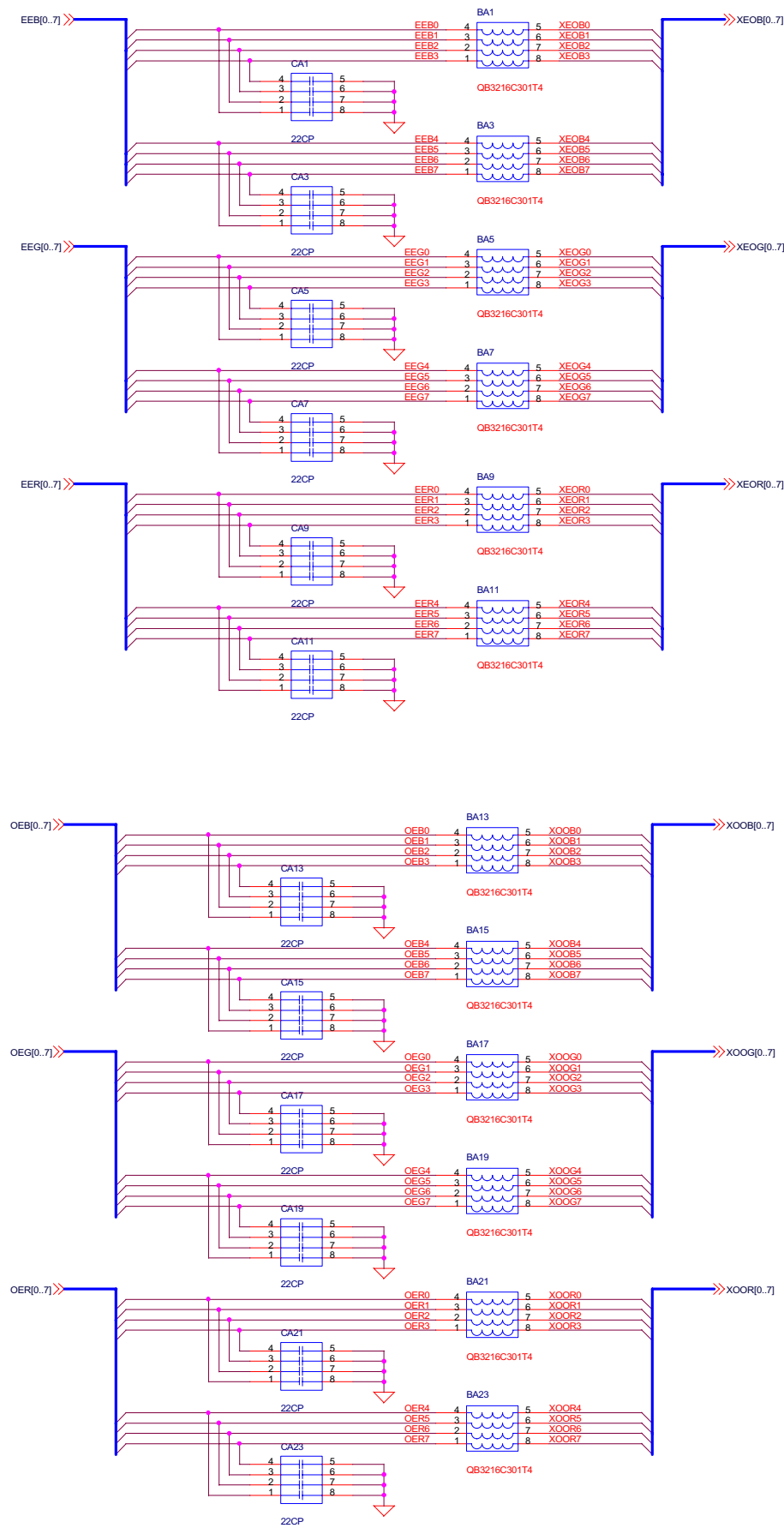
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DC-DC(2)		
Size	Document Number	Rev
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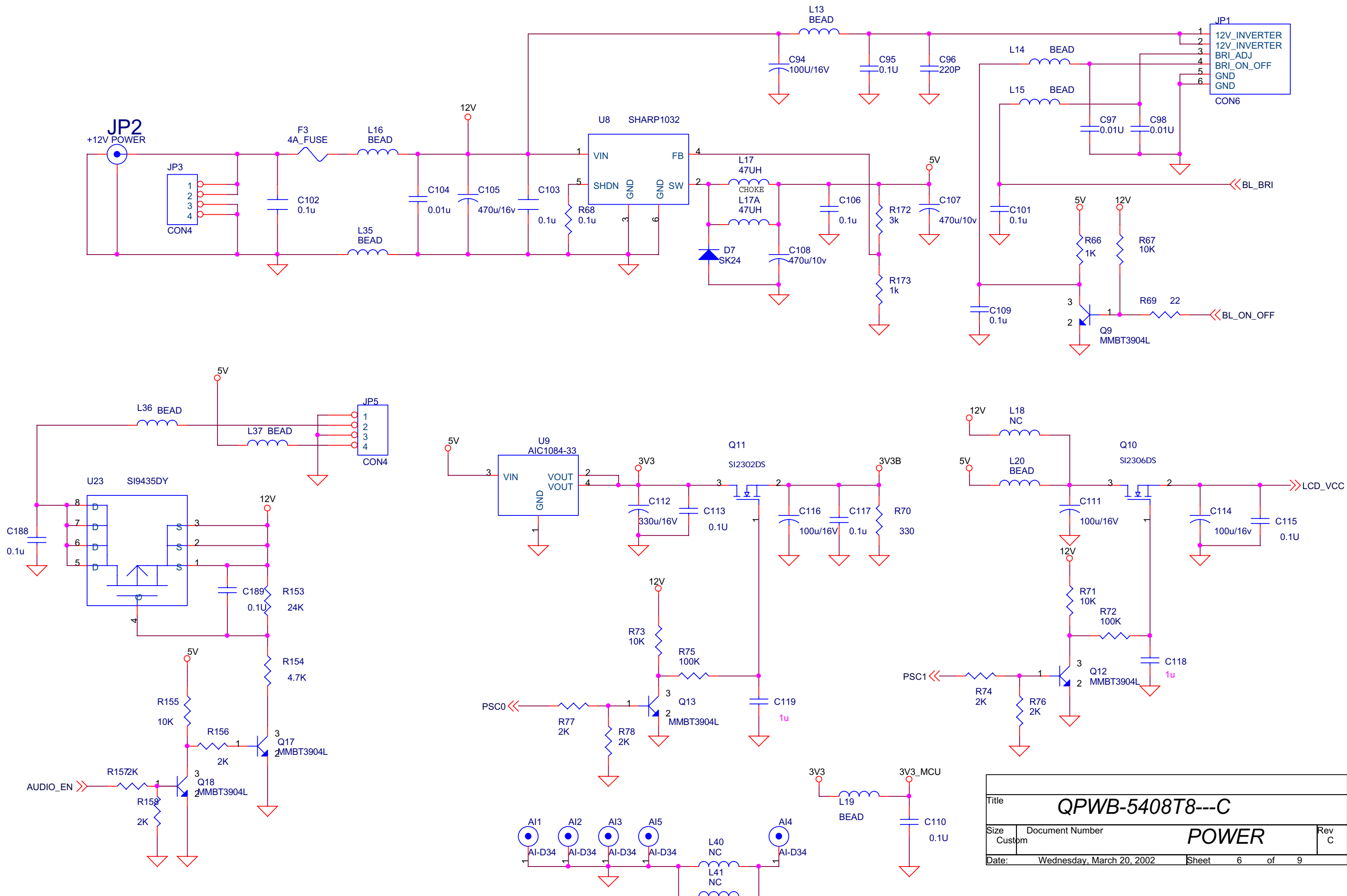


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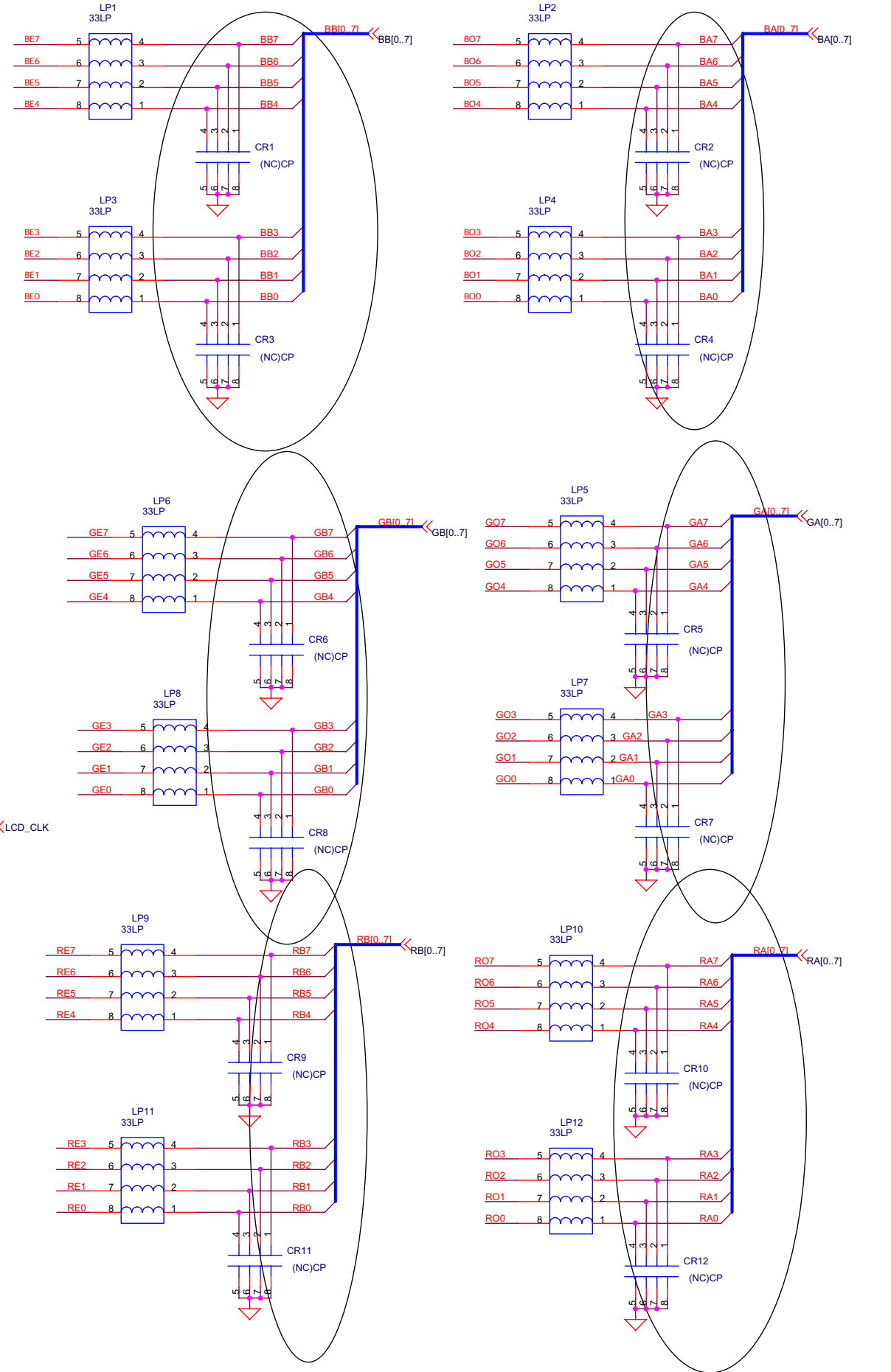
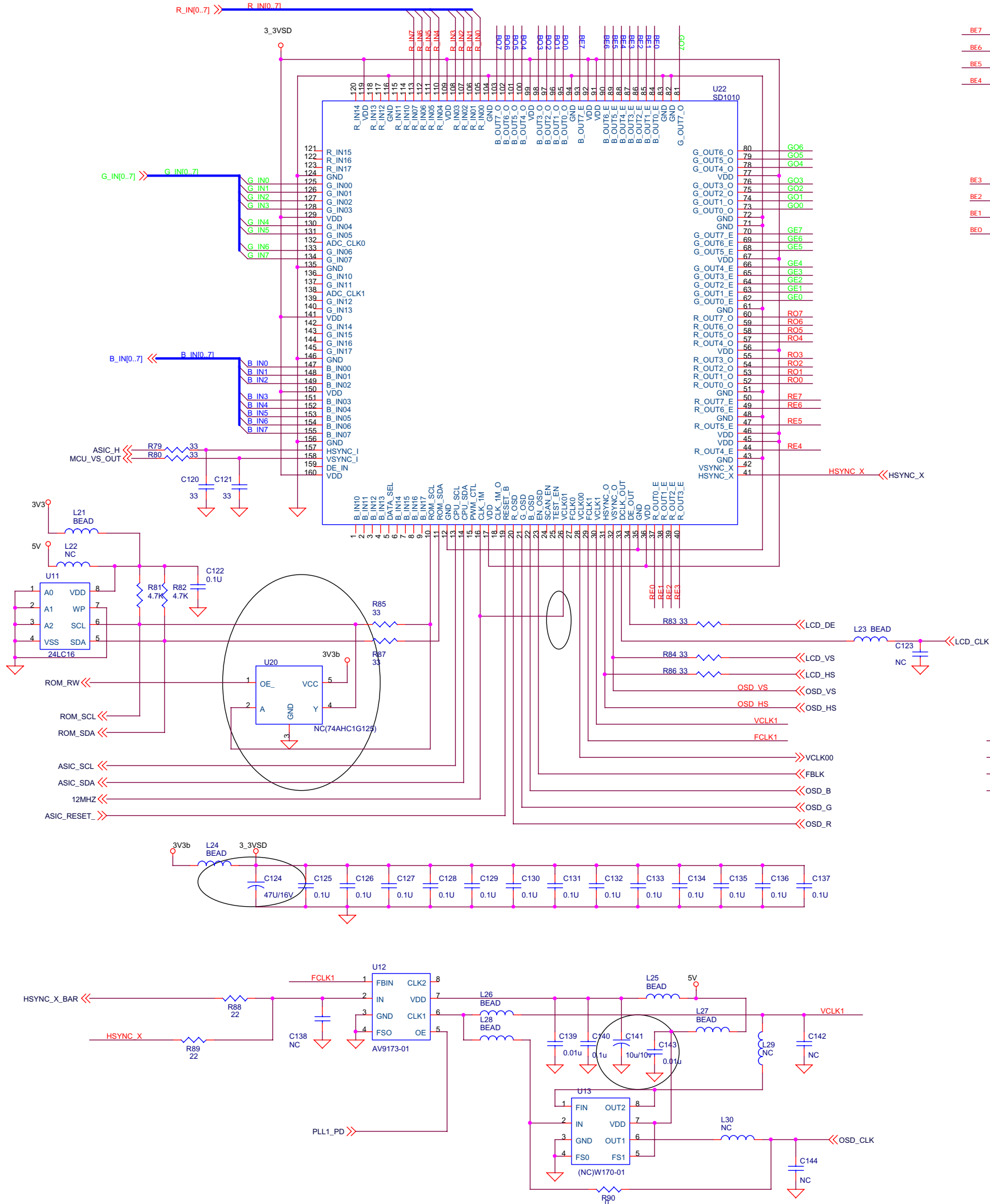


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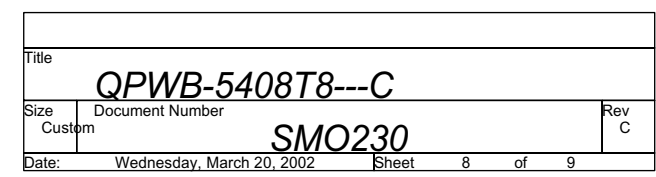


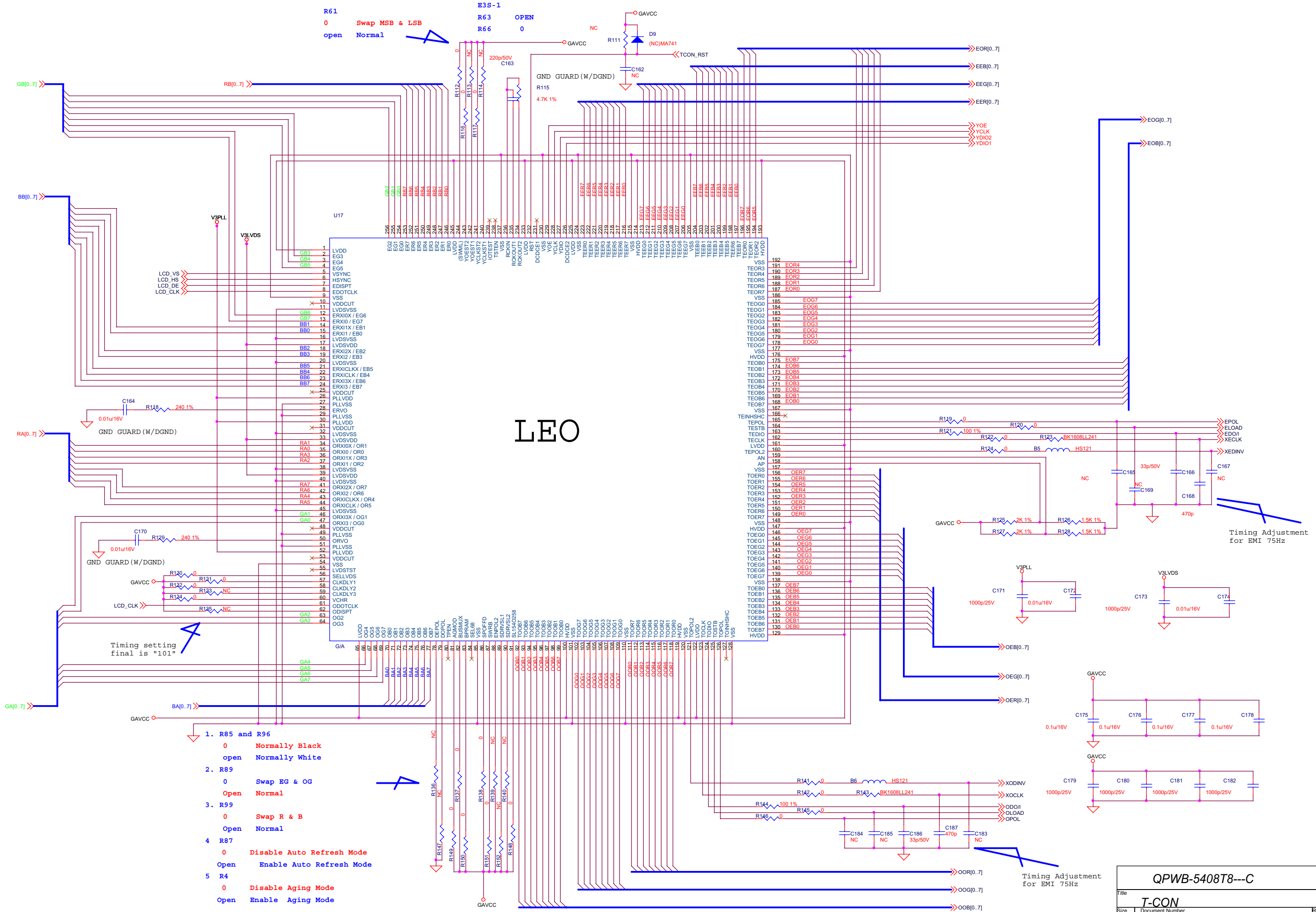


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- 1. R85 and R96  
0 Normally Black  
open Normally White
- 2. R89  
0 Swap EG & OG  
Open Normal
- 3. R99  
0 Swap R & B  
Open Normal
- 4. R87  
0 Disable Auto Refresh Mode  
Open Enable Auto Refresh Mode
- 5. R4  
0 Disable Aging Mode  
Open Enable Aging Mode

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T-CON			
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## 11. PCB LAYOUT DIAGRAM

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06/07/2002"

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